Vinny (Vinicius) Lima

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EDUCATION

Purdue University, Polytechnic Institute   *West Lafayette, IN*
- <u>**Ph.D. in Computer Information Technology**</u>   *Aug 2021 - May 2025 (expected)*

University of Brasilia, Engineering Department   *Brasilia, Brazil*
- <u>**Master in Electrical Engineering - Computer Forensics**</u>   *Aug 2014 - Dec 2016*
- <u>**Bachelor in Computer Engineering**</u>   *Jan 2007 - Jun 2011*

MAIN SKILLS

- Machine Learning, Deep Learning, Natural Language Processing, Applied Statistics, Data Analysis.
- Programming Languages: Python, PHP, SQL, CSS, HTML, Javascript, C#, Shell Scripting.
  - Libraries: Scikit Learn, Tensorflow, NLTK, Keras, Pytorch, Pandas, Matplotlib, Seaborn.
- Tools: Tableau, Microsoft Power BI, Matlab, Photoshop, ElasticSearch/Kibana, Unity.
- **Languages:** Portuguese (fluent), Spanish (intermediate), German (basic).

PROFESSIONAL EXPERIENCE

<u>Teaching Assistant</u>   *Aug 2023 - present*
Purdue University, Computer Graphics/Computer Information Dept.   *West Lafayette, IN, USA*
➔   Led Data Visualization and Systems Development undergraduate courses, instructing 50+ students in each course, across two lab sections. Coordinated lab activities, assignments, and engaged students in group projects.

<u>Research Assistant</u>   *Aug 2021 - present*
Purdue University, Computer Graphics/Computer Information Dept.   *West Lafayette, IN, USA*
➔   Research on "Identifying Risk Patterns in Brazilian Police Reports Preceding Femicides: A Long Short Term Memory Based Analysis": NLP analysis of crime reports for sentiment analysis and sequence of patterns identification. Paper accepted in 2023 IEEE GHTC.
➔   Filetsar+ project: Collaborating with faculty and students to develop a tool for digital forensics in network file analysis. Acquired hands-on experience in Linux, Docker, ElasticSearch, and Kibana.
➔   Research on "Hotspot Prediction of Severe Traffic Accidents in the Federal District of Brazil": Applied machine learning techniques to predict accident hotspots. Paper accepted in 2023 SMART.

<u>Data Analyst - Intern</u>   *Jun 2023 - Aug 2023*
Feeding America, Supply Chain Dept.   *Chicago, IL, USA*
➔   Provided impactful insights through data analysis and developed meaningful data visualization products to support team decision-making. Leveraged Python, Tableau, and NetSuite to streamline and enhance data processes.

<u>Data Analyst</u>   *Jan 2022 - Jun 2022*
BRASA - Brazilian Student Association   *(Remote)*
➔   Executed data processing and analysis crucial for informing board decision-making. Proficient in preprocessing data using Python, ensuring data accuracy and reliability for visualization. Gained foundational experience in AWS for content storage and extraction, contributing to efficient data management practices.

<u>Forensic Scientist</u>   *Jan 2013 - Aug 2021*
Civil Police of the Federal District, Criminalistics Institute   *Brasília, Brazil*
➔   Spearheaded the collection and examination of criminal evidence, overseeing comprehensive crime scene analyses and delivering final reports to investigators and authorities. Successfully managed and produced more than 300 forensic reports.
➔   Steered the Traffic Reconstruction Sector, leading a team of 25 employees for two years, demonstrating leadership and organizational skills, ensuring the effective functioning of the team. Developed a web visualization application using MS Power BI to enhance decision-making strategies for accident prevention. Mentored two undergraduate students throughout the project.
➔   Initiated and executed a social project aimed at educating public high school students on the importance of safe driving. Delivered impactful lectures to raise awareness and promote responsible driving behavior.